

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **59-149354**
 (43)Date of publication of application : **27.08.1984**

(51)Int.Cl.

G03C 1/71
C08F 2/48

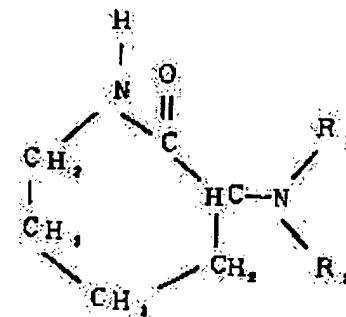
(21)Application number : **58-023479**(71)Applicant : **TORAY IND INC**(22)Date of filing : **15.02.1983**

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(54) PHOTOSENSITIVE RESIN COMPOSITION**(57)Abstract:**

PURPOSE: To improve image reproducibility and durability by compounding a saponified polyvinyl acetate, a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and a specific caprolactam.

CONSTITUTION: This compsn. is formed of (A) 100pts.wt. fully hydrolyzed or partially saponified polyvinyl acetate having 50W100mol% degree of saponification, (B) 20W200pts.wt. a photopolymerizable monomer having an ethylenic unsatd. bond in a molecule, and (C) 1W50pts.wt. α -N-dialkylamino-ε-caprolactam expressed by the formula (in which R1, R2 are an alkyl group of C1-15 such as methyl, ethyl or the like, R1 and R2 may be the same or different). Water solubility decreases considerably if the degree of saponification of the saponified polyvinyl acetate used as the component (A) is <50mol%. Substantial image reproducibility is unobtainable if the amt. of the component (B) to be used is <20pts.wt. and the relief is brittle if said amt. exceeds conversely 200pts.wt. The above-mentioned photosensitive compsn. has a high degree of image reproducibility and durability.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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File: JPAB

Aug 27, 1984

PUB-NO: JP359149354A
DOCUMENT-IDENTIFIER: JP 59149354 A
TITLE: PHOTOSENSITIVE RESIN COMPOSITION

PUBN-DATE: August 27, 1984

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APPL-NO: JP58023479
APPL-DATE: February 15, 1983

INT-CL (IPC): G03C 1/71; C08F 2/48

ABSTRACT:

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